

Alumni Weekend: Session 1

Room: 106 Spalding Lab

1:00 - 1:20 PM	<i>Shrujana S. Kunnam</i>	Mapping the human speech cortex with a multi-scale foundation model	Edward Chang <i>Neurosurgeon, University of California, San Francisco</i> Shailee Jain <i>Postdoctoral Researcher in Neurosurgery, University of California, San Francisco</i> Ueli Rutishauser <i>Faculty Associate in Biology and Biological Engineering</i>
1:20 - 1:40 PM	<i>Elisa S. Grillo</i> <i>John Stauffer SURF Fellow</i>	Designing synthetic microbial communities for sustainable nitrogen delivery in the rhizosphere	Gözde S. Demirer <i>Clare Booth Luce Assistant Professor of Chemical Engineering</i> Chiara Berruto <i>Graduate Student in Biology</i> Eugene Li <i>Graduate Student in Chemical Engineering</i>
1:40 - 2:00 PM	<i>Keyu Wan</i> <i>DaRin Butz SURF Fellow</i>	Multimodal modeling and prediction of neuromuscular fatigue for intelligent control during functional electrical stimulation of a murine hindlimb	Shriya Srinivasan <i>Professor of Bioengineering, Harvard University</i> Patrick Pariseau <i>Graduate Student in Bioengineering, Harvard University</i> John O. Dabiri <i>Centennial Professor of Aeronautics and Mechanical Engineering</i>
2:00 - 2:20 PM	<i>Thanhthanh V. Nguyen</i> <i>José J. Garcia SURF Fellow</i>	Calibrating land models using FLUXNET observation data: Investigating the variation of vegetation parameters with environmental conditions	Tapio Schneider <i>Theodore Y. Wu Professor of Environmental Science and Engineering</i> Julia C. Sloan <i>Software Engineer in the Global Environmental Center</i>

2:20 - 2:40 PM

Samantha Chang
Dale and Suzanne Burger
SURF Fellow

Profiling misinformation
susceptibility in the American
electorate

R. Michael Alvarez
Flintridge Foundation Professor of
Political and Computational Social
Science
Mitchell Linegar
Graduate Student in Social
Science

2:40 - 3:00 PM

Sujay Champati
Mr. and Mrs. Robert C. Loschke
SURF Fellow

A unified phase-space framework
for Measurement-Device-
Independent Quantum Key
Distribution

Maria Spiropulu
Shang-Yi Ch'en Professor of
Physics
Raju Valivarthi
Research Scientist in Quantum
Science and Technology